

**E-Fenton oxidation technique of dirty blocking agent in reverse osmosis concentrating liquid**

Publication number: CN1541757

Publication date: 2004-11-03

Inventor: YANG QINGFENG (CN)

Applicant: UNIV SHANGHAI JIAOTONG (CN)

Classification:

- International: B01D61/02; B01D65/08; C02F1/44; B01D61/02;  
B01D65/00; C02F1/44; (IPC1-7): B01D65/08;  
B01D61/02; C02F1/44

- European:

Application number: CN20031108454 20031106

Priority number(s): CN20031108454 20031106

Also published as:

 CN1235668C (C)

Report a data error here

**Abstract of CN1541757**

The electric Fenton oxidation process for processing scale inhibitor in reverse osmosis concentrated liquid adopts anode of iron plate and cathode of porous graphite and ventilated with air pump and processes reverse osmosis concentrated liquid through electrolyzing in stirring, stirring coagulation via adding aluminum sulfate and filtering the coagulated solution. Bivalent iron ion produced intelligent the electric Fenton process is made to react with hydrogen peroxide to produce strong oxidizing free hydroxy radical oxidizing and destructing the scale inhibitor; and the subsequent coagulation separates out scaling salt to lower the scaling trend, so that the concentrated liquid may be utilized as influent water to raise the water recovering rate of reverse osmosis system.

Data supplied from the esp@cenet database - Worldwide